

## Resistance temperature measurement Pt1000



GMH 285-KB

## HIGHLIGHTS:

- Background illumination
- Alarm function



BACKLIGHT

## GMH 285-KB

Art. no. 605506

Alarm thermometer with 3.5 mm jack socket, without accessories

## GMH 285-BNC

Art. no. 605507

Alarm thermometer with BNC socket, without accessories

## General:

High precision, alarm, backlight and many other features characterize this device as a true all-rounder. The alarm function additionally allows for acoustic monitoring of the set temperature boundaries. The serial interface in combination with GAM 3000 can be used for switching additional alarm devices or realizing basic control processes.

## Application:

Highly accurate measurements over a large measuring range in liquids, soft media, air/gases. Used for e.g. measurement in agriculture, quality control, laboratory, food production, etc.

## Specifications:

**Measuring range:** -200.0 °C ... +400.0 °C or  
-200.0 °F ... +752.0 °F

**Resolution:** 0.1 °C or 0.1 °F

**Accuracy: (at nominal temperature = 25 °C)**

**Device:** ±0.1 °C ±1 digit (at range from  
-100.0 ... +200.0 °C)  
else ±0.1 % of m.v. ±1 digit

**Measuring frequency:** 2 measurements/s

**Display:** 4½ digit LCD display (13 mm)  
with additional segments, wide-  
area backlight, duration can be  
adjusted

**Nominal temperature:** 25 °C

**Working temperature:** -25 ... +50 °C

**Storage temperature:** -25 ... +70 °C

**Power supply:** 9 V battery (included) or additionally supply socket for external  
10.5-12 V DC supply. (suitable  
power adapter: GNG10/3000)

## Battery life:

**Current measurement:** < 0,20 mA (battery lifetime with  
alkaline battery more than 1500  
hours!)

**Backlight:** <5 mA, if .BAT'-warning is active it  
gets automatically switched off

## Housing:

impact-resistant ABS, membrane keypad, transparent panel, integrated pop-up clip for table top or suspended use

## Dimensions:

without BNC socket: 142 x 71 x 26 mm (H x W x D)  
BNC socket: approx. 13 mm long

## Weight:

approx. 170 g (incl. battery)

## Scope of supply:

Device, battery, manual

## Accessories and spare parts:

## GAM 3000

Art. no. 601132

Switching module for devices of the GMH3xxx series with alarm output

## ST-R1

Art. no. 601066

device protection bag with cut-out for probe connection

## GKK 252

Art. no. 601056

with foam lining for universal use (235 x 185 x 48 mm)

## Soil thermometer



1M ROBUST PROBE MADE OF STAINLESS STEEL

## SoilTemp 285

Art. no. 605849

Soil thermometer

## General:

The universal display device combined with an extremely robust, but yet ergonomic T-handle probe made of stainless steel allows for multiple measurements in soils or bulk materials.

## Application:

Silo checking, measurements in soils, waste dumps, silages, compost, etc. The alarm function additionally allows for acoustic monitoring of the selected temperature boundaries. The serial interface in combination with GAM 3000 can be used for switching additional alarm devices or realizing basic control processes. The device is also supplied by the GAM 3000: continuous operation possible.

## Specifications:

**Device:** GMH 285-BNC

**Probe connection:** BNC, Pt1000, 2-wire

**Measuring range:** -50.0 ... +250.0 °C

**Measuring rod:** Stainless steel, 1000 mm x Ø 10 mm, 1 m connection cable with BNC plug, 350 g, probe handle designed for comfortable use

**Scope of supply:** Device, GTF 40 T, battery, manual

## Accessories and spare parts:

## GMH 285-BNC

Art. no. 605507

Alarm thermometer with BNC socket

## GTF 40 T-620

Art. no. 606803

Stainless steel insertion probe, FL 620 mm, with 1 m cable and BNC plug

## GTF 40 T-1000

Art. no. 606791

Stainless steel insertion probe, FL 1000 mm, with 1 m cable and BNC plug

## GTF 40 T-1500

Art. no. 606792

Stainless steel insertion probe, FL 1500 mm, with 1 m cable and BNC plug

## GAM 3000

Art. no. 601132

Switching module for devices of GMH3xxx series with alarm output

## ST-R1-US

Art. no. 605929

Device protection bag with cut-outs for sensor connector with strap